

WHAT IS CLAIMED IS:

1. A corrosive and tarnish resistant alloy consisting essentially of 13 to 25 percent by weight of gold, 20 to 36 percent by weight of silver, 23 to 32 percent by weight of copper, 16 to 25 percent by weight of zinc, and 1 to 4 percent by weight of silicate.

2. The alloy according to Claim 1 having a casting temperature of 1785 to 1825 degrees Fahrenheit.

3. The alloy according to Claim 1 melts having a temperature of approximately 1375 degrees Fahrenheit.

4. The alloy according to Claim 1 and further comprising copper-silicate.

5. The alloy according to Claim 1 and having a specific gravity of 8.576 g., $\pm .75$ g./cc.

6. The alloy according to Claim 1 and having gold and said copper silicate provide enhanced tarnish resistance.

7. The alloy according to Claim 1 wherein said zinc is used to lighten the color of the alloy and to act as a scavenger.

8. Alloy for the manufacture of jewelry comprising, by weight:

Gold	16%	$\pm 5\%$
Silver	32.4%	$\pm 5\%$
Copper	29%	$\pm 5\%$
Zinc	21%	$\pm 5\%$
silicate	1.6%	$\pm 5\%$

9. The alloy according to Claim 8 and having a Brinell hardness of 160 bench cooled and 140 quenched, $\pm 5\%$.

10. An improved dental alloy comprising a corrosive and tarnish resistant alloy consisting essentially of 13 to 25 percent by weight of gold, 20 to 36 percent by weight of silver, 23 to 32 percent by weight of copper, 16 to 25 percent by weight of zinc, and 1 to 4 percent by weight of silicate.

11. A corrosive and tarnish resistant alloy comprising 13 to 25 percent by weight of gold, 20 to 36 percent by weight of silver, 23 to 32 percent by weight of copper, 16 to 25 percent by weight of zinc, and 1 to 4 percent by weight of silicate.

12. A dental alloy suitable for crown, bridges, and other dental apparatus comprising of a gold colored, a corrosive and tarnish resistant alloy consisting essentially of 13 to 25 percent by weight of gold, 20 to 36 percent by weight of silver, 23 to 32 percent by weight of copper, 16 to 25 percent by weight of zinc, and 1 to 4 percent by weight of silicate.

13. A corrosive and tarnish resistant alloy comprising 13 to 25 percent by weight of gold, 20 to 36 percent by weight of silver, 23 to 32 percent by weight of copper, 16 to 25 percent by weight of zinc, and 1 to 4 percent by weight of silicate.